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ASA-883/028-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Technology Center 2600

In re Patent Application of

Y. NUNOGAWA et al

Serial No. 09/555,010

Group Art Unit: 2682

Filed: May 23, 2000

For: HIGH FREQUENCY POWER AMPLIFYING CIRCUIT, AND MOBILE  
COMMUNICATION APPARATUS USING IT

INFORMATION DISCLOSURE STATEMENT (IDS)  
UNDER § 1.97 AND § 1.98

Commissioner for Patents  
Washington, D.C. 20231

Sir:

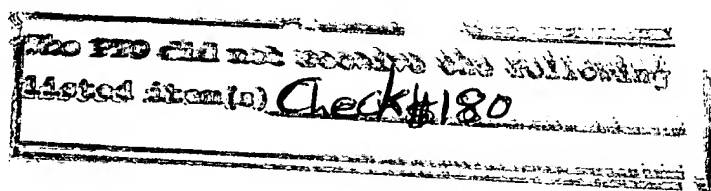
1. This IDS should be considered:

(a) when filed within three months of the filing date of the present application, or within three months of the filing date of the National Stage as set forth in § 1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last;

(b) when filed before the mailing date of either a Final Rejection under § 1.113 or a Notice of Allowance under § 1.311, whichever occurs first and when 1(a) does not apply. For this purpose, there is included herein either a certification in section 4 below (included when indicated by a marked box), or a fee of \$180.00 (a check in the amount of \$180.00 is enclosed, or if not see section 5 below);

(c) when filed prior to the payment of the Issue Fee, when 1(a)-(b) do not apply, and when a certification is included in section 4 below (included when indicated by a marked box); then the Applicant(s) hereby petition(s) and request(s) consideration of this IDS, and provided herewith is a fee of \$180.00 (a check in the amount of \$180.00 to cover the petition fee, or if not see section 5 below).

10/24/2002 SSESHE1 00000030 501417 09555010  
01 FC:1805 180.00 CN



2. When 1(a)-(c) do not apply, then it is requested that this IDS be placed in the file.

3. Listing of the information submitted is on the attached Form PTO-1449, which forms a part of this IDS. A copy of each listed document is enclosed.

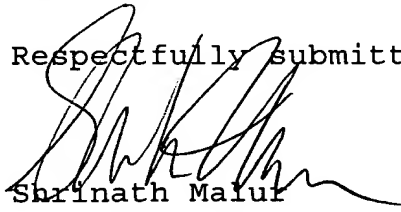
4. If a fee or additional fee is required, the Commissioner is hereby authorized to charge any fee or additional fee that may be required and credit any excess to Deposit Account No. 50-1417.

5. No explanation of relevancy is being provided for the documents because each is in the English language or contains an English-language Abstract.

6. The documents cited in this Information Disclosure Statement include those cited in U.S. Patent No. 6,307,364 B1 and U.S. Patent No. 6,329,809 B1 as well as additional documents.

7. If the PTO determines that part(s) of the required content is inadvertently omitted, then it is requested that the Applicant(s) be given additional time and specific identification of such omission(s) to enable full compliance.

Respectfully submitted,

  
Shrinath Malur  
Registration No. 34,663  
Attorney for Applicants

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Date: October 23, 2002

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ASA-883	SERIAL NO. 09/555,010
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Y. NUNOGAWA et al	
		FILING DATE May 23, 2000	GROUP 2682

## U.S. PATENT DOCUMENTS

* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
AA	4,074,194	02/14/78	Wilkerson			
AB	6,006,111	12/21/99	Rowland			
AC	3,611,096	10/05/71	Sadashige			
AD	5,457,814	10/10/95	Myrskog et al			
AE	5,013,935	05/07/91	Mahabadi			
AF	6,198,351	03/06/01	Winslow			
AG	6,334,050	12/25/01	Skarby			
AH	6,397,077	05/28/02	Jensen			
AI	5,128,629	07/07/92	Trinh			
AJ	6,108,527	08/22/00	Urban et al			
AK	4,370,622	01/25/83	Hornbeck et al			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL	2,105,153	03/16/83	United Kingdom			<input type="checkbox"/>	<input type="checkbox"/>
AM	2,220,808	01/17/90	United Kingdom			<input type="checkbox"/>	<input type="checkbox"/>
AN	8-307182	11/22/96	Japan (w/ English Abstract)			<input type="checkbox"/>	<input type="checkbox"/>
AO	54-111709	09/01/79	Japan (w/ English Abstract)			<input type="checkbox"/>	<input type="checkbox"/>
AP	4-267612	09/24/92	Japan (w/ English Abstract)			<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	M. Ratni et al, "RF Power Detector Using A Silicon MOSFET", MICROWAVE SYMPOSIUM DIGEST, 1998 IEEE MTT-S International, Vol. 2, June 1998, pp. 1139-1142.
AS	PHILIPS CGY2023G DATA SHEET, Philips Semiconductors, August 14, 1996.
AT	J.N. Giles, "Fairchild Semiconductor Linear Integrated Circuits Applications Handbook", Chapter 2 - Design Philosophy, pp. 9-16.

EXAMINER	DATE CONSIDERED
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**U.S. PATENT DOCUMENTS**

* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
	AA	5,715,527	02/03/98	Horii et al		
	AB	5,629,648	05/13/97	Pratt		
	AC	5,745,016	04/28/98	Salminen		
	AD	5,892,396	04/06/99	Anderson et al		
	AE	5,892,397	04/06/99	Belcher et al		
	AF	3,274,505	09/20/66	Frisch et al		
	AG	5,710,519	01/20/98	McCalpin et al		
	AH	3,374,442	03/19/68	Griffin		
	AI	5,808,515	09/15/98	Tsuruoka et al		
	AJ	4,631,495	12/23/86	Mueller et al		
	AK	5,986,509	11/16/99	Lohninger		

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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AN					<input type="checkbox"/>	<input type="checkbox"/>
AO					<input type="checkbox"/>	<input type="checkbox"/>
AP					<input type="checkbox"/>	<input type="checkbox"/>

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, etc.)*

AR		S. Mattisson, "Minimizing Power Dissipation of Cellular Phones", PROCEEDINGS OF THE 1997 INTERNATIONAL SYMPOSIUM ON LOW POWER ELECTRONICS, ACM 1997, pp. 42-45.
AS		"Power Amplifier (Buffer) with Low Output Impedance and Current Measurement Capability", IBM TECHNICAL DISCLOSURE BULLETIN, Vol. 30, No. 7, December 1987, pp. 95-97.
AT		

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*EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
AA	5,196,806	03/23/93	Ichihara			
AB	5,204,613	04/20/93	Cripps et al			
AC	5,675,245	10/07/97	Millar et al			
AD	5,241,694	08/31/93	Vais/anen et al			
AE	4,578,648	03/25/86	Werrbach			
AF	4,794,343	12/27/88	Yang			
AG	5,081,425	01/14/92	Jackson et al			
AH	5,087,893	02/11/92	Petersen et al			
AI	5,138,274	08/11/92	Nakanishi et al			
AJ	5,144,258	09/01/92	Nakanishi et al			
AK	5,177,453	01/05/93	Russell et al			

## FOREIGN PATENT DOCUMENTS

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<b>U.S. PATENT DOCUMENTS</b>							
* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE <i>(If Appropriate)</i>
	AA	5,216,379	06/01/93	Hamley			
	AB	5,381,115	01/10/95	Timmons et al			
	AC	5,384,547	01/24/95	Lynk, Jr. et al			
	AD	5,430,410	07/04/95	Raynaud et al			
	AE	5,455,968	10/03/95	Pham			
	AF	5,497,125	03/05/96	Royds			
	AG	5,559,471	09/24/96	Black			
	AH						
	AI						
	AJ						
	AK						
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